OIP extorney's Docket: 062891.0872

PATENT 09/347,034 |-8-63

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U.S. PATENT AND TRADEMARK OFFICE

In re Application of:

Albert et al.

Serial No.:

09/347,034

Filing Date:

July 2, 1999

Group Art Unit:

2157

Examiner:

Barbara N. Burgess

Title:

INTEGRATING SERVICE MANAGERS INTO A

ROUTING INFRASTRUCTURE USING

FORWARDING AGENTS

Honorable Assistant Commissioner

for Patents

Washington, DC 20231

RECEIVED

JAN 0 7 2003

Technology Center 2100

Dear Sir:

TRANSMITTAL OF FORMAL DRAWINGS

Transmitted herewith are ten (10) sheets of formal drawings to be substituted for the informal drawings initially filed in the above-identified application for patent.

Respectfully submitted,

BAKER BOTTS L.L.P. Attorneys for Applicants

Charles S. Fish

Reg. No. 35,870

2001 Ross Avenue, Suite 600 Dallas, TX 75201-2980 (214) 953-6509

Date: January 3, 2003

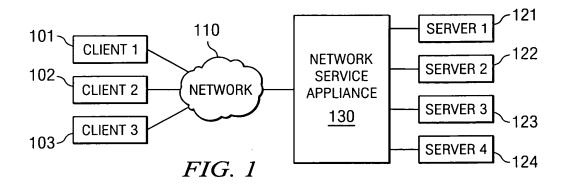


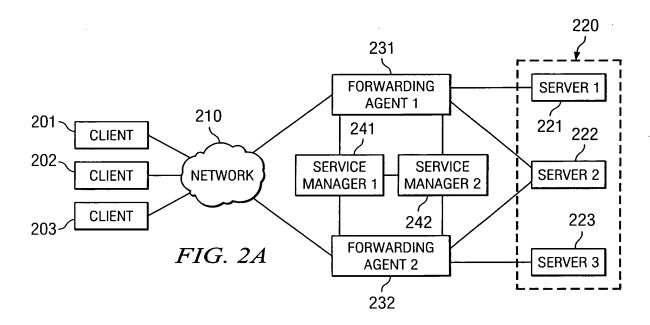
INTEGRATING SERVICE MANAGERS INTO A ROUTING INFRASTRUCTURE USING FORWARDING AGENTS
Inventors: Albert et al. Sheet 1 of 10

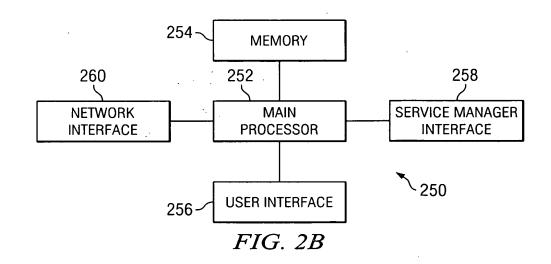
U.S. Serial No. 09/347,034

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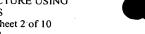




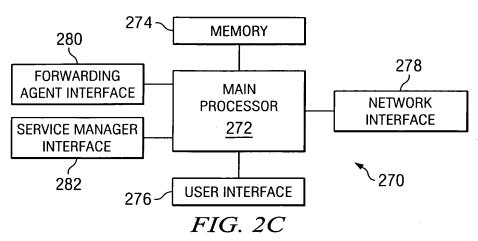
INTEGRATING SERVICE MANAGERS INTO A ROUTING INFRASTRUCTURE USING FORWARDING AGENTS

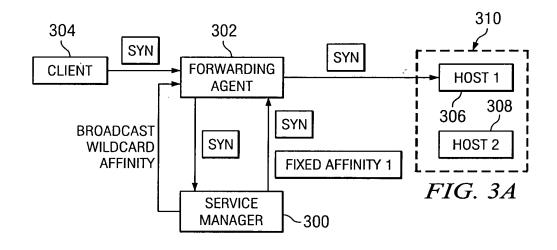
Inventors: Albert et al. Sheet 2 of 10 U.S. Serial No. 09/347,034

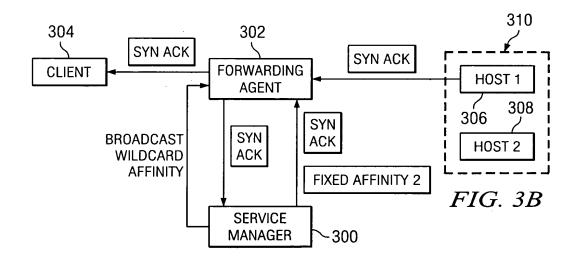
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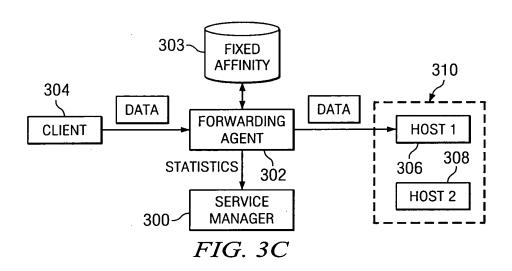


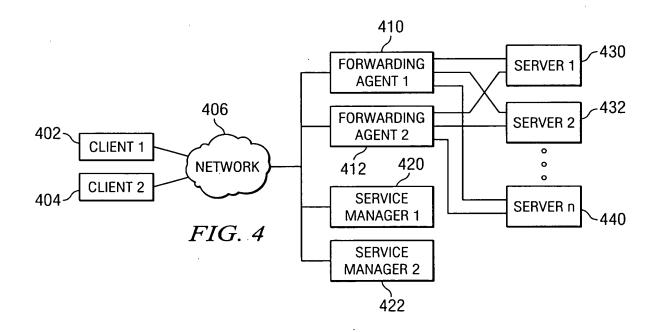


INTEGRATING SERVICE MANAGERS INTO A ROUTING INFRASTRUCTURE USING FORWARDING AGENTS Inventors: Albert et al. Sheet 3 of 10

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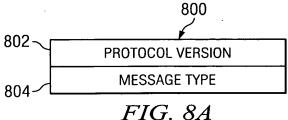
INTEGRATING SERVICE MANAGERS INTO A UTING INFRASTRUCTURE USING WARDING AGENTS Inventors: Albert et al. Sheet 4 of 10 U.S. Serial No. 09/347,034 Express Mail No. EV 193175716 US 062891.0872 4/10 502 510 500 506 SYN SYN HOST 1 **CLIENT** FORWARDING AGENT 1 SYN **WILDCARD** SYN **AFFINITY FIXED AFFINITY 1** 504 SERVICE MANAGER SYN ACK DATA **SYN ACK** DATA FIXED AFFINITY 2 **AFFINITY** FIXED SYN ACK **FORWARDING AGENT 2** DATA FIG. 5 512 HOST 2 507 700 702-**DISPATCH FLAG** 704-INFORMATION FLAG 706-600 **PROTOCOL** 708-602-SOURCE IP ADDRESS **AFFINITY KEY** 710-SOURCE NETMASK 604 **DISPATCH FLAG** 712~ 606-**DESTINATION IP ADDRESS** INFORMATION FLAG **DESTINATION NETMASK** FORWARD IP ADDRESS 714-608 SOURCE PORT TIME TO LIVE 716~ 610 **DESTINATION PORT** 718-FIG. 6 FORWARD IP ADDRESS 720-TIME TO LIVE 722 FIG. 7

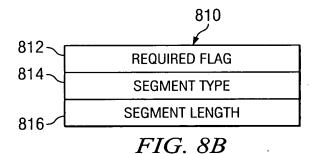


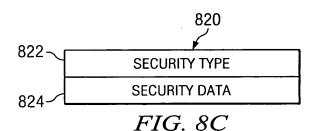
INTEGRATING SERVICE MANAGERS INTO ROUTING INFRASTRUCTURE USING FORWARDING AGENTS
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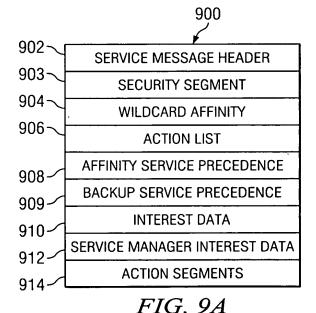
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	920
000	<u> </u>
922~	SERVICE MESSAGE HEADER
924~	SECURITY SEGMENT
926~	FIXED AFFINITY
928~	AFFINITY SERVICE PRECEDENCE
929~	BACKUP SERVICE PRECEDENCE
930-	ACTION SEGMENTS
932-	IDENTITY INFORMATION
934-	SERVICE MANAGER INTEREST DATA
	FORWARDING AGENT
936~	INTEREST DATA
938	IP PACKET SEGMENT
	FIG. 9B

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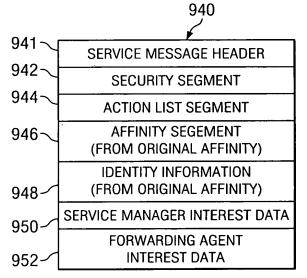
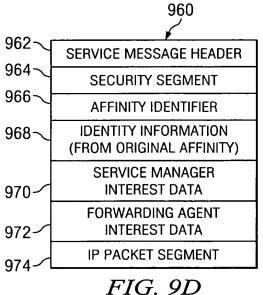


FIG. 9C

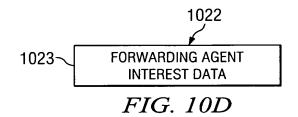


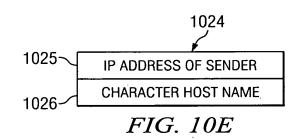
INTEGRATING SERVICE MANAGERS INTO ROUTING INFRASTRUCTURE USING FORWARDING AGENTS Inventors: Albert et al. Sheet 6 of 10 U.S. Serial No. 09/347,034

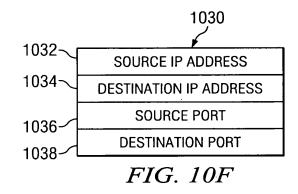
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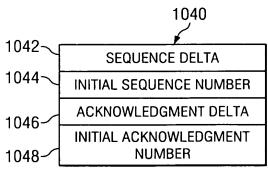
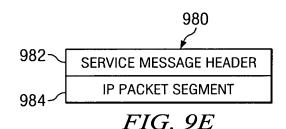
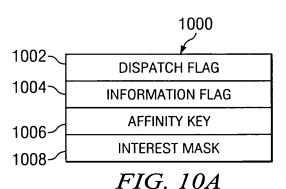
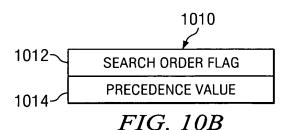
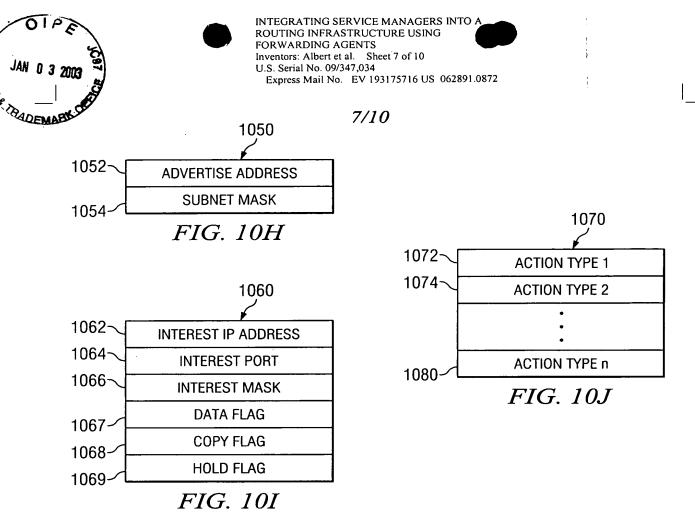


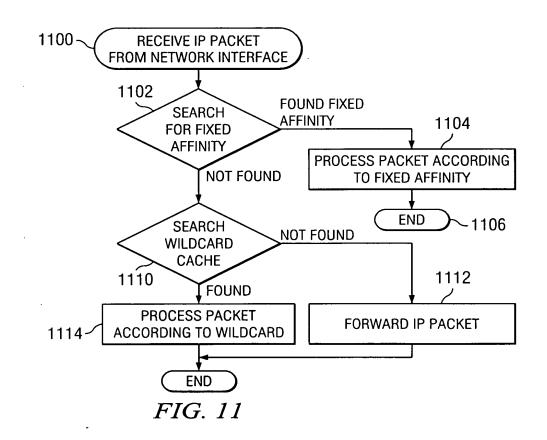
FIG. 10G











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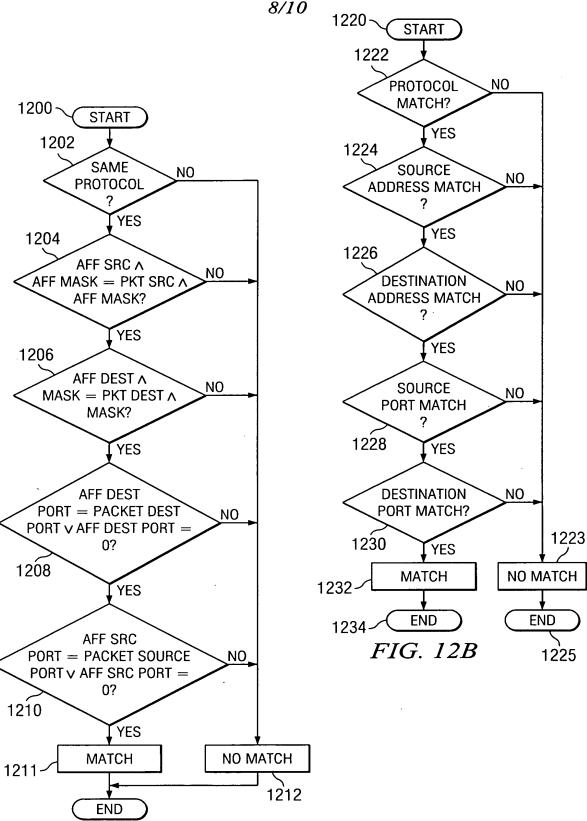


FIG. 12A

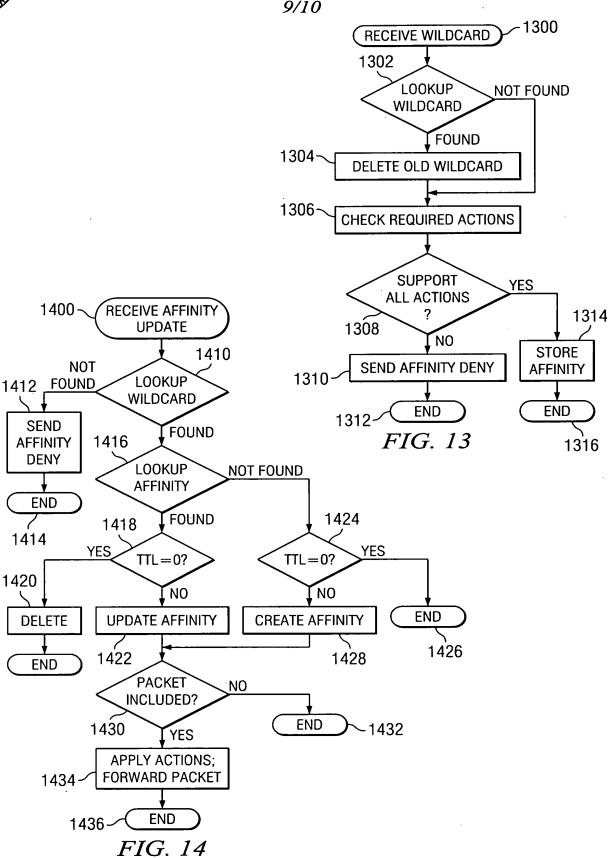
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INTEGRATING SERVICE MANAGERS INTO A ROUTING INFRASTRUCTURE USING FORWARDING AGENTS

Inventors: Albert et al. Sheet 9 of 10 U.S. Serial No. 09/347,034 Express Mail No. EV 193175716 US 062891 0872









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Inventors: Albert et al. Sheet 10 of 10 U.S. Serial No. 09/347,034 Express Mail No. EV 193175716 US 062891.0872

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